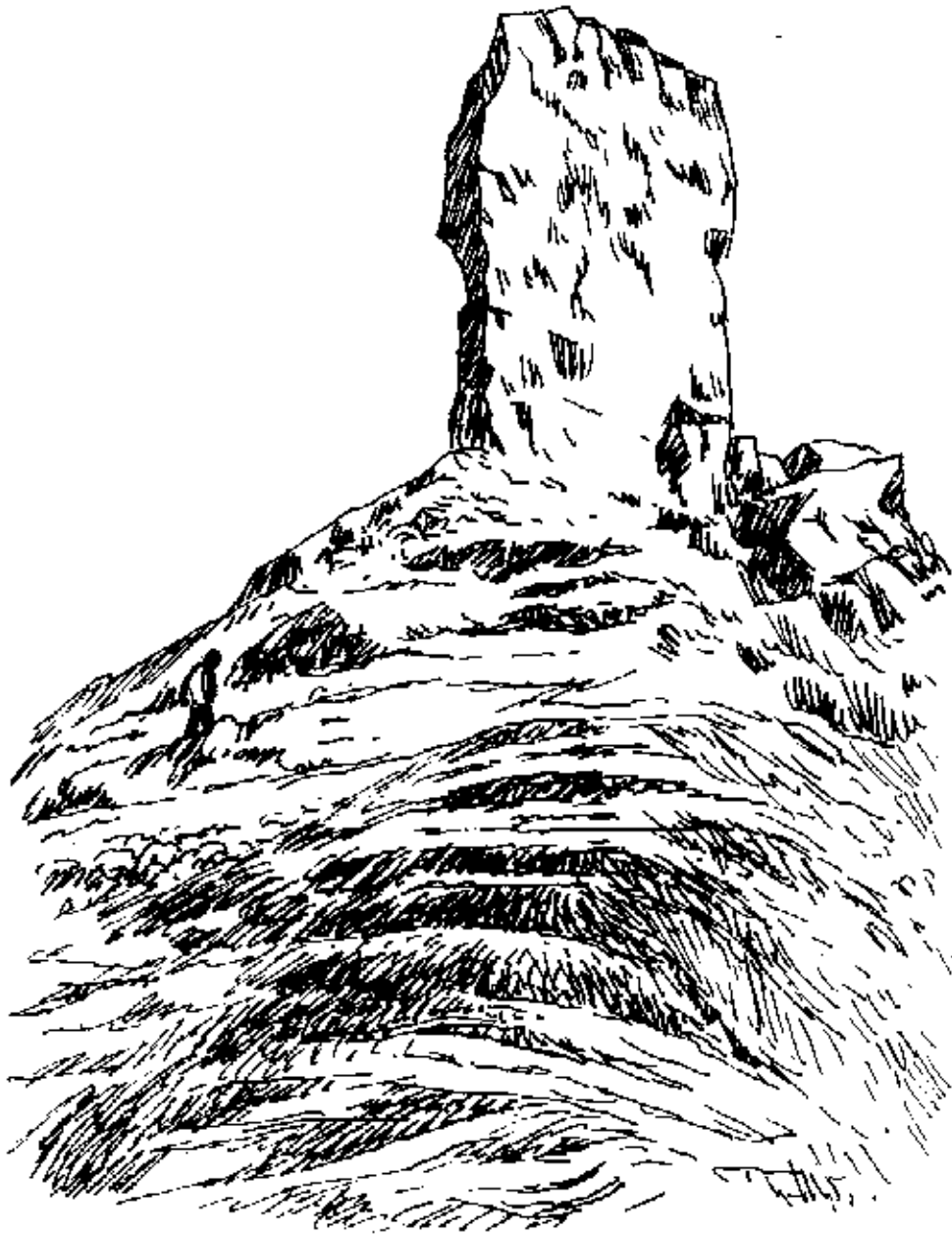


# IAS NEWSLETTER

Nº 127 August 1993



Mass flow sandstone  
Jurassic Park  
East Greenland

## IAS NEWS

---

### **THE FIRST INTERNATIONAL LIMNOGEOLOGICAL CONGRESS RESEARCH METHODS IN ANCIENT AND MODERN LACUSTRINE BASINS**

**last week of August 1995, Copenhagen, Denmark**

**The congress is sponsored by  
GEOPALS, UNESCO-IUSG, IGCP-324 project**

#### **The aim of the meeting**

To be the first of a series of major meetings to be held every 4 years dealing with all aspects of Lacustrine Sedimentology. The congress also aims to establish a future network for continued co-operation by those already involved in IGCP projects 219 and 324 with lacustrine sedimentation as the main theme - and the continuations of these projects.

#### **Proposed sessions**

The applicability of methods in basin analysis and sequence stratigraphy on lacustrine systems.

Economic resources of lacustrine origin, hydrocarbons, coal, metals, salts, phosphates etc.

Geochemistry of ancient and modern lacustrine systems, stable isotope analysis, organic chemistry.

Cycles, rhythms, and sudden events preserved in lacustrine basins.

Lacustrine carbonates.

Lacustrine basins as climatic archives.

Palaeoecological information as reflected in lacustrine systems, palynology, palaeobiology, trace fossils, stromatolites.

Lakes and tectonics.

Pleistocene lakes.

#### **Abstracts**

Abstracts will be reviewed both for oral and poster sessions.

#### **Publication of congress papers**

Contributions are intended to be published after normal reviewing.

**Duration of congress**

It is expected that the official congress will take place over three days from Tuesday to Friday at the end of August, 1995.

**Keynote speakers**

It is planned to invite 6-9 keynote speakers.

**Excursions**

Two excursions 2-3 days of duration are planned to take place over the weekends before and/or after the congress.

**Convenor in conjunction with the IGCP 324 GLOPALS committee**

Reader, Dr. Nanna Noë-Nygaard, Quaternary Palaeoecology Lab., Department of Geology, University of Copenhagen, Øster Voldgade 10, DK-1350 Copenhagen K, Denmark. Tel: +45-35 32 24 91; Fax: +45-35 32 24 99

## LIST OF NOMINATIONS OF IAS OFFICERS CORRECTION

In the IAS Newsletter No.125, April 1993, an error had sneaked into the list of nominations for the next bureau and council. Prof. A. M'Rabet is from **Tunisia** and not from Morocco.

I apologise for the mistake.

Finn Surlyk  
General Secretary



## IAS SPECIAL LECTURER TOUR



Prof. John Crowell has now finalised his lecturer tour and the program is presented below. If there are groups, institutes, persons etc. who would like a visit or to get in contact with John while he is in your region, please write directly to John to hear if it is possible.

Remember that the IAS Special Lecturer Tours work in the way that IAS pays the lecturer's travels to and from the inviting institution, which covers all local costs, including accomodation, food, possible

excursions etc. Also remember that the idea is that you use the visit as much as possible. Why not an evening seminar followed by a simple buffet, a friday afternoon session for the students with beer and snacks, a field trip to nearby field areas of the students etc. etc. Get as much out of it as possible!

We received rave reports from the institutes visited by prof. Bathurst, our first Special Lecturer, and without going into any details it became abundantly clear that the most successful visits were to places where the scientific and social interactions were at a maximum, where the students were most involved and where the whole arrangement was informal. Students and more senior researchers specialising within the fields of the visiting lecturer should consider preparing a display of their material for discussion. The possibilities are endless. We can just recommend that you get as much out of it as possible! This will make us all happier and the IAS secretary and treasurer will be immensely pleased to see something positive come out of their very unheroic efforts.

The visiting lecturer will have the satisfaction of seeing all the planning, travelling and preparation of talks having a real impact, and resulting in making a lot of new friends and in the pleasure of meeting old friends, and the inviting party will have not only benefit from the scientific input but will have a unique opportunity for the promotion of sedimentology and related field within their departments.

So make the most of this IAS initiative. We work hard on it, our lecturers are doing a terrific job, and until now it has been a tremendous success.

At the time of writing the itinerary of John Crowell for the autumn "Western Hemisphere Tour" is as follows:

18.10	John leaves Santa Barbara for GSA meetings etc.
29-31.10	London
1-2.11	Liverpool
4-5.11	Leeds
8-9.11	Keele
10-11.11	Birmingham
15-16.11	Manchester
18-19.11	Edinburgh
25-26.11	Bergen
29-30.11	Copenhagen
2-3.12	Jena
4-5.12	Field trip to Thüringer Wald (sounds cold)
8-11.12	Granada
13-14.12	Bern
16-17.12	Zürich
	Home

I got exhausted just by writing this, so I think you will agree that it is quite an impressive tour that has been arranged. I just hope John is not getting caught in too heavy Christmas traffic at the end of the tour.

One friendly advice, John. Avoid going back via Heathrow. It's a disaster late in December, and if there's 1/2 an inch of snow our British friends go into sheer panic and the country is essentially being closed down only to be reopened some time in April.

Finn Surlyk

---

## NEWS FROM SWITZERLAND

---

The informal group of Swiss sedimentologists (SWISS SED) held its first meeting on January 30, 1993, in Fribourg. Fifteen talks in English, French and German, and 11 posters demonstrated the high quality of research done by Swiss sedimentologists. Topics covered the entire field of sedimentology and went from facies analysis to high-resolution sequence stratigraphy, and from foraminiferal palaeontology to microbial influence on dolomitization. Two films were also shown, one on drilling in Alpine lakes, and one on ODP. The next meeting is planned for the 29th of January, 1994.

On July 4th and 5th, 1992, a SWISS SED field trip guided by Karl Föllmi took us to the Vorarlberg in Austria, to look at phosphate- and glauconite-rich sediments. Platform drowning, condensation, phosphatization, as well as current- and gravity-dominated processes were discussed. Although rain was pouring down, the participants were enthusiastic about the moss-covered outcrops which could tell such an interesting story.

On September 29th, 1992, together with the Swiss Geological Society, SWISS SED also organized an excursion on "Sedimentation and tectonics in the eastern Jura Mountains". It was guided by Andreas Wetzel, Vincenzo Allia, Ramon Gonzales and Peter Jordan. The main topics were facies distribution as related to synsedimentary tectonics, and thrust zones controlled by sedimentary facies.

Finally, Ramon Gonzales took us to the oolitic Hauptrogenstein-Formation in the Jura on June 26 and 27, 1993. He convincingly demonstrated the different depositional settings of ooid formation and deposition, as well as a detailed correlation of the outcrops based on biostratigraphy and high-resolution sequence stratigraphy. Small coral

reefs and beds with well preserved crinoids punctuate the ooid-dominated facies and stimulated discussions on palaeoecology and taphonomy.

Under the framework of IGCP 325, Karl Föllmi organizes a meeting on "Concepts and controversies in phosphogenesis", which will be held from September 6 to 10 in Interlaken, Switzerland. Three major themes are proposed: 1) phosphorus, sedimentology, geochemistry and palaeoceanography; 2) phosphorus, the microbiosphere, and interactions of phosphorus with other biophile elements; 3) phosphorus, agriculture, and industry.

André Strasser  
University of Fribourg  
Switzerland

## GENERAL NEWS

---

### IGCP PROJECT 362 - TETHYAN AND BOREAL CRETACEOUS

Because of the increasing concern over the impending "greenhouse" state of the Earth there is an urgent need for a better understanding of the global impact of, amongst others, climate, eustatic, tectonic and geochemical changes. Accordingly, in modern interdisciplinary geological research emphasis is put on the study of the interactions between geosphere, biosphere, hydrosphere and atmosphere.

The Cretaceous is a superb example of an interglacial period: the Earth experienced an episode of extreme global warmth, high sea-level, black shale deposition and intense volcanism (causing an enormous increase of atmospheric CO<sub>2</sub> levels); glaciers were probably absent from the poles (except in the highest altitudes) and a large proportion of the fossil fuels now being consumed by Man was fixed as carbon-rich source rocks during this time.

In order to gain a better understanding of the relationships between climate, geological processes, change in the environment, ocean behaviour and biota evolution, a five years project was accepted by the Board of UNESCO/IGCP Division of Earth Sciences: IGCP Project No. 362.

The full title of the new project is: **Stratigraphical correlation and definition of geo-events in Cretaceous sedimentary sequences of the Tethyan and the Boreal Realm** (Short title: **Tethyan and Boreal Cretaceous**; abbreviation: **TBC**). The co-leaders are Jozef Michalik (Slovak Academy of Sciences, Geological Institute, Dúbravská cesta 9, 81473 Bratislava, Slovakia) and Han Leereveld (Laboratory of Palaeobotany and Palynology, Heidelberglaan 2, 3584 CS Utrecht, The Netherlands).

The project is a logical continuation of the scientific progress made by IGCP Project No. 262 (Tethyan Cretaceous Correlation). The prime achievements of that project (high-resolution time-frame, correlation through facies) can be used as a standard for calibration of proxy records of global climatic and environmental changes (and their origin) during the Cretaceous. Expertise is assured by the participation of numerous well known scientists.

The main objectives of the project are: (1) to establish a correlation scheme for the Tethyan and Boreal Cretaceous with attention to important biozonations, magnetostratigraphy, eustatic sea level fluctuations, sedimentary and geochemical changes and other oscillation patterns (for example, cyclostratigraphy); (2) to concentrate on particular stratigraphic intervals in which rapid and abrupt global changes are documented; (3) to concentrate on mineral resources of sedimentary origin (oil-shale, bauxite, coal, etc.); (4) evaluation of the compiled data with regard to processes that play a major role in the coupled nature of the global system.

The detailed programme for the project will be worked out and the working groups defined at the First General Meeting to be held in Coïmbra (Portugal), 24-30 October 1993; about this meeting, please contact Filipa Assis, I.P.N., Apartado 3028, 3000 Coïmbra, Portugal. Fax: 351-39-29338).

Interested participants in the IGCP Project 362, should contact TBC-secretariat, Mascha Tiemessen, Laboratory of Palaeobotany and Palynology, Heidelberglaan 2, 3584 CS Utrecht, The Netherlands. Tel: 31-30-532629; Fax: 31-30-535096.

## **EQUATORIAL GATEWAY IN ATLANTIC Call for papers !**

The symposium "Equatorial gateway in Atlantic" is to be held as a part of the 14th International Sedimentological Congress in Recife, Brazil, from August 21-26, 1994.

The general objective of the symposium is to constrain the timing of

surface and deep water connections between South and North Atlantic, reconstruct tectonic processes involved in the shear-margins development, and to establish influence of the equatorial gateway on climate, palaeocirculation, global change and source rocks. To this aim contributions from sedimentary geology, tectonics, geophysics, palaeoceanography, geochemistry and biostratigraphy are welcomed.

For further information contact: Lubo Jansa, Bedford Inst. of Oceanography, Dartmouth, N.S. Canada. Tel: (902) 426-2734; Fax: (902) 426-4465 or Jannes Mabesoone, Caixa Postal 7801, Cidade Universitaria, 50732-970, Recife, (PE), Brazil. Tel: +55 81 2718240 ext. 32; Fax: +55 81 4212404.

Abstract deadline is **15th February 1994**.

## **FAN DELTAS**

We have received: Fanfare no. 1, May, 1993, of the Newsletter "International Working Group on Fan Deltas (IWGFD)" It is a communication organ for anyone interested in fan delta research.

For further information contact: S.K. Chough, Dept. of Oceanography, College of Natural Sciences, Seoul National University, Seoul 151-742, Korea. FAX: 82-2-872-0311/882-4216.

## **PAGES**

We have also received the first number of "PAGES" (Past Global Changes), a core project of the International Geosphere-Biosphere Programme IGBP.

For further information contact: PAGES Core Project Office, Bärenplatz 2, CH-3011 Bern, Switzerland.

Tel: +41-31/312-31-33; Fax: +41-31/312-31-68.

## FUTURE MEETINGS

### 8TH ANNUAL MEETING OF THE AACHEN SEDIMENTOLOGY GROUP

October 7-9, 1993 GERMANY (Aachen)

Contact: Dr. R.Littke, Forschungszentrum, JÜLICH/ICG4, D-5170 JÜLICH,  
Postfach 1913. Tel: 02461-61-4087; Fax: 49-2461-612484. or  
Pr. A.Muler, Allg. u. Hist. Geologie, RWTH AACHEN, D-5100 AACHEN,  
Wüllnerstr. 2. Tel: 0241-80-5726; Fax: 49-241-80-5738.



### 1993 AAPG INTERNATIONAL CONFERENCE AND EXHIBITION

October 17-20, 1993 NETHERLANDS (The Hague)

Contact: 1993 AAPG International Abstracts, AAPG Conventional Dept.,  
P.O.Box 979, Tulsa, OK 74101-0979, USA.



### CONFERENCE ON OVERTHRUSTING INTO FORELAND BASINS: SEDIMENTOLOGIC CONSEQUENCES

October 20-22, 1993 USA (New York)

Contact: Prof. Gerald M. Friedman, Northeastern Science Foundation,  
Rensselaer Center of Applied Geology, 15 Third Street, P.O.Box 746, Troy,  
NY 12181-0746.



### INTERNATIONAL SYMPOSIUM ON LARGE SCALE COASTAL BEHAVIOUR (TIME SCALE OF DECADES)

November 15-19, 1993 U.S.A. (St. Petersburg, Florida)

Contact: Jeffrey List, US Geol. Survey, Centre for Coastal Geology,  
600 Fourth Street South, St. Petersburg, FL 33701, USA.



### 4TH FRENCH SEDIMENTOLOGICAL CONGRESS

November 17-19, 1993 FRANCE (Lille)

Contact: Bruno Savoye, Secrétariat A.S.F., IFREMER, Environnements  
sédimentaires, BP 70, 29280 Plouzane, France.

Tel: (33) 98 22 42 32 or 42 67; Fax: (33) 98 22 45 70; Telex: 940627F.



**FIRST INTERNATIONAL EUROPEAN MEETING  
OF THE INTERNATIONAL SOCIETY FOR REEF STUDIES**

December 16-20, 1993

AUSTRIA (Vienna)

Contact: Dr. Werner E. Piller, Inst. für Paläontologie, Univ. Wien,  
Universitätstrasse 7/2, A-1010 Vienna, Austria.

Tel: 0043-1-401 03-2498; Fax: 0043-1-402 05 33.



**THE 3-D SEISMIC CHALLENGE  
PITFALLS, BENEFITS AND OPPORTUNITIES IN EXPLORATION AND  
PRODUCTION**

March 7-9, 1994

NORWAY (Kristiansand)

Contact: Norwegian Petroleum Society, P.O.Box 1897 Vika, N-0124 Oslo,  
Norway. Tel: 47 22 43 00 50; Fax: 47 22 55 46 30.



**HIGH RESOLUTION SEQUENCE STRATIGRAPHY:  
INNOVATIONS AND APPLICATIONS**

March 28-30, 1994

UK (Liverpool)

Contact: Dr. John Howell or Dr. John Aitken, Sequence Stratigraphy  
Conference, Dept. of Earth Sciences, Univ. of Liverpool, P.O.Box 147,  
Brownlow St., Liverpool, L69 3BX, UK.

Tel: (051) 794 5141; Fax: (051) 794 5170



**ENVIRONMENTAL SEDIMENTOLOGY:  
THE INTERACTION OF SEDIMENTS, WATER AND WASTE**

April 7-8, 1994

UK (Reading)

Contact: Dr. J. Eyers, Postgraduate Research Inst. for Sedimentology,  
Univ. of Reading, Reading, RG6 2AB, UK.

Tel: 0734 318944; Fax: 0734 310279.



**10TH PETROLEUM CONGRESS AND EXHIBITION OF TURKEY**

April 11-15, 1994

TURKEY (Ankara)

Contact: M. Ali Kaya, TPAO Arama Grubu Oda: 1715, Mustafa Kemal Mah. 2.  
Cad. No: 86, 06520, Ankara, Turkey. Tel: (90-4) 286 91 00/ (ext) 2902;

Fax: (90-4) 286 90 49; Telex: 42626-42044 TPAO-TR.



## 15th IAS REGIONAL MEETING

April 13-15, 1994

ITALY (Ischia, Naples)

Contact: Tullio Pescatore, Ischia '94, Dipartimento de Scienze della Terra,  
Largo S. Marcellino 10, 80138 Napoli, Italy.

Tel: (81) 5516014; Fax: (81) 5525611.



### GЕOPROSPECTIVE

April 18-19, 1994

FRANCE (Paris)

Contact: Prof. Bernard Beaudoin, Ecole des Mines de Paris, 35, rue Saint  
Honoré, 77305 Fontainebleau, France.

Tel: 33 (1) 64 69 49 24; Fax: 33 (1) 64 69 49 35.



### SYMPOSIUM AND FIELD EXCURSION ON THE ALBIEN AND UPPER CRETACEOUS STRATIGRAPHY AND SEDIMENTOLOGY OF THE MANGYSHLAK PENINSULA

May, 1994

REP. of KAZAKHSTAN (Almaty)

Contact: Dr. E.V. Nesterova, IGS NAS RK., Gl. Kabanbai batyra 69a, Almaty,  
Kazakhstan, 4801000, Rep. of Kazakhstan.



### MIOCENE REEFS AND CARBONATE PLATFORMS OF THE MEDITERRANEAN

May 3-6, 1994

FRANCE (Marseille)

Contact: Jean-Paul Saint Martin or Jean-Jacques Cornee, Université de  
Provence, Centre de Sédimentologie/Paléontologie (URA 1208 du CNRS),  
case 67, Place Victor Hugo, 13331 Marseille Cedex, France.

Tel: (33) 9110 6326 (or 27); Fax: (33) 9164 9964.



### ANNUAL MEETING OF THE GEOLOGICAL ASSOCIATION OF CANADA AND MINERALOGICAL ASSOCIATION OF CANADA

May 15-18, 1994

CANADA (Waterloo, Ontario)

Contact: Alan V. Morgan, Dept. of Earth Sciences, Univ. of Waterloo,  
Waterloo, Ontario, Canada N2L 3G1.

Tel: (519) 885-1211 (ext. 3231); Fax: (519) 746-7484.



**9TH ANNUAL MEETING OF SEDIMENTOLOGISTS IN GERMANY**

May 25-27, 1994

GERMANY (Greifswald)

Contact: SEDIMENT '94, Fachrichtung Geowissenschaften, Ernst-Moritz  
Arndt-Universität Greifswald, Friedrich-Ludwig-Jahn-Str. 17 A, D-17489  
Greifswald. Tel: (03834) 77271 ext. 298; Fax: (03834) 883351.

**SEPM/AAPG ANNUAL MEETING**

June 12-15, 1994

U.S.A. (Denver, CO)

Contact: Julie Ball, SEPM's Business Office, Tulsa, OK., USA.

Tel: (918) 743-9765.



**THIRD ANNUAL MEETING OF THE HISTORY OF  
THE EARTH SCIENCES SOCIETY**

July 7-9, 1994

U.S.A. (Troy, N.Y.)

Contact: Dr. Gerald M. Friedman, The Northeastern Science Foundation, Inc.,  
Rensselaer Center of Applied Geology, 15 Third Street, P.O.Box 746, Troy,  
N.Y. 12180, USA. Tel: (518) 273-3247; Fax: (518) 273-3249.

**5TH ARGENTINIAN SEDIMENTOLOGICAL MEETING**

August 8-14, 1994

ARGENTINA (San Miguel de Tucumán)

Contact: Dr. Gerardo E. Bossi, Presidente de la 5ta. Reunion Argentina de  
Sedimentologia, Laboratorio de Sedimentologia, Miguel Lillo 251 -

Tucumán, Argentina. Tel: 5481-239723; Fax: 5481-311524.



**14th INTERNATIONAL SEDIMENTOLOGICAL CONGRESS**

August 21-26, 1994

BRAZIL (Recife, PE)

Contact: 14th International sedimentological Congress,  
LAGESE/DGEO/UFPE, Caixa Postal 7801 - Ag. Cidade, Universitária,  
0739 Recife (PE), Brazil. Tel: (081) 271-82 40.



**EUROPEAN DINANTIAN ENVIRONMENTS 2  
RECENT DEVELOPMENTS IN THE LOWER CARBONIFEROUS  
GEOLOGY OF EUROPE**

September 5-9, 1994 (incl. field trips) Ireland (Dublin)  
Contact: Dr. Ian D. Somerville, Dept. of Geology, Univ. College, Benfield,  
Dublin 4, Ireland. Tel: 353-1-706 23 25; Fax: 353-1-283 77 33.



**3RD CONFERENCE ON GAS IN MARINE SEDIMENTS**

September 25-28, 1994 THE NETHERLANDS (Texel)  
Contact: Dr. Tjeerd C.E. van Weering/Mrs. Joke Hart, Netherlands Inst. for  
Sea Research, P.O.Box 59, 1790 AB Den Burg, Texel, the Netherlands.  
Tel: 31-2220-69395/69367; Fax: 31-2220-19674.



**LITTORAL 94**

**A MULTI-DISCIPLINARY SYMPOSIUM ON COASTAL ZONE RESEARCH,  
MANAGEMENT AND PLANNING -EUROPE AND MEDITERRANEAN**

September 26-29, 1994 PORTUGAL (Lisbon)  
Contact: Associação EUROCAST-PORTUGAL, a/c do Instituto de Hidráulica e  
Recursos Hídricos, Faculdade de Engenharia-Universidade do Porto, Rua dos  
Bragas, P-4099 Porto codex, Portugal. Tel: 351-2-310870;  
Fax: 351-2-310870/ 351-2-319280.



**ANNUAL MEETING OF GERMAN GEOLOGICAL SOCIETY (DDG)**

October 4-7, 1994 GERMANY (Heidelberg)  
Contact: Prof. Th. Bechstädt or Prof. R.O. Greiling,  
Geologisch-Paläontologisches Inst., Ruprecht-Karls-Universität,  
Im Neuenheimer Feld 234, D-6900 Heidelberg, Germany.  
Tel: (0 62 21) 56 82 91 ; Fax: (0 62 21) 56 55 03; Telex: 461 515 unihd.



**4TH INTERNATIONAL CONGRESS ON  
JURASSIC STRATIGRAPHY AND GEOLOGY**

October 15-16, 1994 ARGENTINA ( Mendoza and Neuquén)  
Contact: Dr. A.C. Riccardi, C.C. 886, 1900 La Plata, Argentina.  
Tel: 54-21-39125; Fax: 54-21-530189; Telex: 54-31-15 BULAP AR



## RIFT SEDIMENTATION AND TECTONICS IN THE RED SEA- GULF OF ADEN REGION

October 22-November 2, 1994

YEMEN (Sana'a)

Contact: Dr. Dan Bosence, Royal Holloway Univ. of London, EGHAM, Surrey  
TW20 0EX, UK. Fax: (00) 44 (0) 784 471780 or Dr. Mohamed Al-Aawah,  
P.O.Box 13200, Sana'a, Rep. of Yemen. Fax: (00) 967 275027.



## FIRST INTERNATIONAL SYMPOSIUM ON BIOSTRATIGRAPHY OF OIL AND GAS BASINS

December 3-10, 1994

RUSSIA (St. Petersburg)

Contact: Olga A. Sochevanova, VNIGRI, Liteiny 39, St. Petersburg 191 104,  
Russia. Tel: (7-812) 275-7145/ 272-3677; Fax: (7-812) 273-7387;  
Telex: AT 621626 (64121986).



## SEPM/AAPG ANNUAL MEETING

John B. Anderson SEPM Vice-Chairman

March 5-8, 1995

U.S.A. (Houston, TX)

Contact: Julie Ball, SEPM's Business Office, Tulsa, OK., USA.

Tel: (918) 743-9765.



## 7TH INTERNATIONAL SYMPOSIUM ON THE ORDOVICIAN SYSTEM

June 12-16, 1995

USA (Las Vegas, Nevada)

Contact: Dr. Margaret N. Rees, Dept. of Geosciences, Univ. of Nevada-Las  
Vegas, Las Vegas, Nevada 89154-4010, USA.

Tel: (702) 739-3262; Fax: (702) 597-4064



## 10TH INTERNATIONAL BATHURST MEETING ON CARBONATE SEDIMENTOLOGY

July 3-8, 1995

U.K. (London)

Contact: Dr. Dan Bosence, Royal Holloway Univ. of London, EGHAM, Surrey  
TW20 0EX, UK. Fax: (00) 44 (0) 784 471780



**SEPM CONGRESS ON SEDIMENTARY GEOLOGY**

Albert Hine General Chairman, Bob Halley Technical Program Chairman  
August 13-16, 1995 U.S.A. (St. Petersburg, FL)  
Contact: Julie Ball, SEPM's Business Office, Tulsa, OK., USA.  
Tel: (918) 743-9765.



**THE FIRST INTERNATIONAL LIMNOGEOLOGICAL CONGRESS  
RESEARCH METHODS IN ANCIENT AND  
MODERN LACUSTRINE BASINS**

The congress is sponsored by  
GEOPALS, UNESCO-IUSG, IGCP-324 project

August (last week), 1995 DENMARK (Copenhagen)  
Contact: Dr. Nanna Noe-Nygaard, Quaternary Palaeoecology lab., Department  
of Geology, University of Copenhagen, Øster Voldgade 10, DK-1350  
Copenhagen K, Denmark. Tel: +45-35 32 24 91; Fax: +45-35 32 24 99

Edited by Finn Surlyk  
Geological Institute  
University of Copenhagen  
Øster Voldgade 10  
DK - 1350 København K  
Denmark  
Telephone: +45 35 32 24 53  
Fax: +45 35 32 24 99